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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/780,668A

DATE: 10/26/2001

TIME: 13:15:54

Input Set : A:\ES.txt

Output Set: N:\CRF3\10262001\I780668A.raw

ENTERED

5 <110> APPLICANT: Gillies, Stephen
6 Burger, Christa
7 Lo, Kin-Ming
9 <120> TITLE OF INVENTION: Enhancing the Circulating Half-Life of Antibody-Based Fusion
10 Proteins
12 <130> FILE REFERENCE: LEX-011
14 <140> CURRENT APPLICATION NUMBER: US 09/780,668A
15 <141> CURRENT FILING DATE: 2001-02-09
17 <150> PRIOR APPLICATION NUMBER: US 60/181,768
18 <151> PRIOR FILING DATE: 2000-02-11
20 <160> NUMBER OF SEQ ID NOS: 35
22 <170> SOFTWARE: PatentIn version 3.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 7
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Ig-IL-2 junction sequence
32 <400> SEQUENCE: 1
34 Ser Pro Gly Lys Ala Pro Thr
35 1 5
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 4
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Ig C-terminal sequence
45 <400> SEQUENCE: 2
47 Ser Pro Gly Lys
48 1
50 <210> SEQ ID NO: 3
51 <211> LENGTH: 12
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: human gamma-1 heavy chain gene with a silent mutation
58 <400> SEQUENCE: 3
59 tccccgggta aa 12
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63 <211> LENGTH: 42
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys to Ala substitution
70 <400> SEQUENCE: 4
71 ccgggtgcag cacctacttc aagttctaca aagaaaacac ag 42
74 <210> SEQ ID NO: 5

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80 <223> OTHER INFORMATION: 3' oligonucleotide with a Lys to Ala substitution
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87 <211> LENGTH: 42
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys to Arg substitution
94 <400> SEQUENCE: 6
95 ccgggtaggg cgccaacttc aagttctaca aagaaaacac ag 42
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 38
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: 3' oligonucleotide with a Lys to Arg substitution
105 <400> SEQUENCE: 7
106 ctgtgttttc tttgtagaac ttgaagttgg cgccctac 38
109 <210> SEQ ID NO: 8
110 <211> LENGTH: 39
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys deletion
117 <400> SEQUENCE: 8
118 ccgggtgcac ctacttcaag ttctacaaag aaaacacag 39
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121 <211> LENGTH: 35
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: 3' nucleotide with a Lys deletion
128 <400> SEQUENCE: 9
129 ctgtgttttc tttgtagaac ttgaagtagg tgcac 35
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 42
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys to Gly substitution
140 <400> SEQUENCE: 10
141 ccgggtgggg cccctacttc aagttctaca aagaaaacac ag 42
144 <210> SEQ ID NO: 11
145 <211> LENGTH: 38

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146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: 3' oligonucleotide with a Lys to Gly substitution
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157 <211> LENGTH: 42
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys to Leu substitution
164 <400> SEQUENCE: 12
165 ccgggtctgg cgccaacttc aagttctaca aagaaaacac ag 42
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169 <211> LENGTH: 38
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171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: 3' oligonucleotide with a Lys to Leu substitution
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183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys to AlaAlaAla substitution
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192 <210> SEQ ID NO: 15
193 <211> LENGTH: 44
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195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: 3' oligonucleotide with a Lys to AlaAlaAla substitution
200 <400> SEQUENCE: 15
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204 <210> SEQ ID NO: 16
205 <211> LENGTH: 42
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207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys to Cys substitution
212 <400> SEQUENCE: 16
213 ccgggttgcg caccaacttc aagttctaca aagaaaacac ag 42
216 <210> SEQ ID NO: 17
217 <211> LENGTH: 38
218 <212> TYPE: DNA

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222 <223> OTHER INFORMATION: 3' oligonucleotide with a Lys to Cys substitution
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229 <211> LENGTH: 42
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: 5' oligonucleotide with a Lys to Asp substitution
236 <400> SEQUENCE: 18
237 ccgggtgacg caccaacttc aagttctaca aagaaaacac ag 42
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 38
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: 3' oligonucleotide with a Lys to Asp substitution
248 <400> SEQUENCE: 19
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251 <210> SEQ ID NO: 20
252 <211> LENGTH: 19
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: sequence at the antibody-IL2 gene fusion after linker
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259 <400> SEQUENCE: 20
260 cccggcatgc gggggtaaa 19
263 <210> SEQ ID NO: 21
264 <211> LENGTH: 6
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: sequence at antibody-IL2 fusion junction
271 <400> SEQUENCE: 21
273 Pro Ala Cys Gly Gly Leu
274 1 5
276 <210> SEQ ID NO: 22
277 <211> LENGTH: 18
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: 5' linker sequence
284 <400> SEQUENCE: 22
285 gggttcagga tccggagg 18
288 <210> SEQ ID NO: 23
289 <211> LENGTH: 18
290 <212> TYPE: DNA

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291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: 3' linker sequence
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301 <211> LENGTH: 9
302 <212> TYPE: PRT
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: sequence at fusion junction
308 <400> SEQUENCE: 24
310 Pro Gly Ser Gly Ser Gly Gly Gly Lys
311 1 5
313 <210> SEQ ID NO: 25
314 <211> LENGTH: 33
315 <212> TYPE: DNA
316 <213> ORGANISM: Artificial Sequence
318 <220> FEATURE:
319 <223> OTHER INFORMATION: 5' oligonucleotide with linker
321 <400> SEQUENCE: 25
322 ggggttcaggc tctggatcag ggtccggatc cgg 33
325 <210> SEQ ID NO: 26
326 <211> LENGTH: 33
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: 3' oligonucleotide with linker
333 <400> SEQUENCE: 26
334 ccggatccgg accctgatcc agagcctgaa ccc 33
337 <210> SEQ ID NO: 27
338 <211> LENGTH: 14
339 <212> TYPE: PRT
340 <213> ORGANISM: Artificial Sequence
342 <220> FEATURE:
343 <223> OTHER INFORMATION: sequence at fusion junction after linker insertion
345 <400> SEQUENCE: 27
347 Pro Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Gly Lys
348 1 5 10
350 <210> SEQ ID NO: 28
351 <211> LENGTH: 25
352 <212> TYPE: DNA
353 <213> ORGANISM: Artificial Sequence
355 <220> FEATURE:
356 <223> OTHER INFORMATION: 5' oligonucleotide with a Pro to Ala substitution
358 <400> SEQUENCE: 28
359 cgcagaagag cctctccctg tccgc 25
362 <210> SEQ ID NO: 29
363 <211> LENGTH: 22

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VERIFICATION SUMMARY

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